

**I. AMENDMENTS**

**In the Claims** ✓

Please enter rewritten claim 7 as follows:

7. (Amended) A method according to claims 1 or 2, wherein the mitochondrial disorder is selected from the group consisting of:

Huntington's disease,

Amyotrophic lateral sclerosis,

MELAS (Mitochondrial encephalomyopathy with lactic acidemia and stroke-like episodes),

MERRF (Myoclonus, epilepsy, and myopathy with ragged red fibers),

NARP/MILS (Neurogenic muscular weakness, ataxia, retinitis pigmentosa/Maternally inherited Leigh syndrome),

LHON (Lebers hereditary optic neuropathy) "Mitochondrial blindness",

KSS (Kearns-Sayre Syndrome),

PMPS (Pearson Marrow-Pancreas Syndrome),

CPEO (Chronic progressive external ophthalmoplegia),

Leigh syndrome,

Alpers syndrome,

Multiple mtDNA deletion syndrome,

MtDNA depletion syndrome,

Complex I deficiency,

Complex II (SDH) deficiency,

Complex III deficiency, Cytochrome c oxidase (COX, Complex IV) deficiency,

Complex V deficiency,

Adenine Nucleotide Translocator (ANT) deficiency,

Pyruvate dehydrogenase (PDH) deficiency,

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Ethylmalonic aciduria with lactic acidemia,  
3-Methyl glutaconic aciduria with lactic acidemia,  
Refractory epilepsy with declines during infection,  
Asperger syndrome with declines during infection,  
Autism with declines during infection,  
Attention deficit hyperactivity disorder (ADHD),  
Cerebral palsy with declines during infection,  
Dyslexia with declines during infection, maternally inherited thrombocytopenia and  
leukemia syndrome,  
MNGIE (Mitochondrial myopathy, peripheral and autonomic neuropathy,  
gastrointestinal dysfunction, and epilepsy),  
MARIAHS syndrome (Mitochondrial ataxia, recurrent infections, aphasia,  
hypouricemia/hypomyelination, seizures, and dicarboxylic aciduria),  
ND6 dystonia,  
Cyclic vomiting syndrome with declines during infection,  
3-Hydroxy Isobutyric aciduria with lactic acidemia,  
Diabetes mellitus with lactic acidemia,  
Familial Bilateral Striatal Necrosis (FBNS),  
Aminoglycoside-associated deafness,  
Dilated cardiomyopathy,  
Splenic Lymphoma,  
Wolfram syndrome,  
Multiple Mitochondrial DNA deletion syndromes, and  
Renal Tubular Acidosis/Diabetes/Ataxia syndrom.